Dart Aerospace Ltd. Wednesday, 5/31/2006 7:39:15 AM Kim Johnston User: **Process Sheet** : TUBE ASSEMBLY Customer : CU-DAR001 Dart Helicopters Services **Drawing Name Job Number** : 27296 **Estimate Number** : 11919 P.O. Number : 11/2 : D2003037 **Part Number** : 5/31/2006 . D2003 REV B This Issue **Drawing Number** Prsht Rev. **Project Number** : N/A First Issue **Drawing Revision** AIM: **Previous Run** Material Due Date : 6/30/2006 5 Um: Written By Checked & Approved By Comment **Additional Product** Job Number: Description: Seq. #: Machine Or Operation: M304TR0500W035 304 RD Tube .500 x .035W 1.0 10.2286 f(s) Comment: Qty.: 2.0457 f(s)/Unit Total: 304 RD Tube .500 x .035W Cut as per template D2003-037 (23:38 Tong) Make 70 template for D2003-037

Material: 1/2" Æ x 0.035" wall AISI 304 SS tubing

Cut: 23:38" long on not Divis D2003 Cut: 23.38" long as per Dwg D2003 Material: M2650-6 Heat sleeve Batch: 1717521 FF 06.08.16 2.0 MS208198J Sleeve Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Pick Qtv Part Number Desc FF 06.08.16 MS20819-8J Sleeve 30 AN8188J Total: Comment: Qty.: 2.0000 Each(s)/Unit 10.0000 Each(s) Pick Qty Part Number Desc 06.08.16 M101189 x5 AN818-8J 4.0 D3158

Comment: Qty.:

0.3750 f(s)/Unit Total: 1.8750 f(s)

Heat Shrink 1" x 4.5"

Pick:

Qty Part Number Description D3158-045

Heat shrink

Batch

Each

02182

Dart Aerospace Ltd

W/O:		, i	1	WORK ORDE	R CHANGES					
DATE	STEP		PROCEDURE C	HANGE		Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector
00.08.16	Y	perani -D31\$	pnentchg. 38 too big!	Das	Verteel &	,	06-08/42		le	
					7					

NCR:		WORK ORDER NON-CONFORMANCE (NCR)													
		Description of NC		Corrective Action Section B		Verification	Approval	Annvoyal							
DATE	STEP	Section A	Initial Action Description Design Mgr Design Mgr		Sign & Date	Section C	Design Mgr	Approval QC Inspector							
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Part No:	PAR #:	Fault Category:	NCR:	Yes No DQA :	Date:
NOTE: Date & initial all entries				QA: N/C Closed:	Date:

Date: Wednesday, 5/31/2006 7:39:15 AM User: Kim Johnston **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: TUBE ASSEMBLY Job Number: 27296 Part Number: D2003037 Job Number: Seq. #: **Machine Or Operation:** Description: SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1 5.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 Form tube as per template D2003-037 Assemble as per Dwg D2003 .06.08.16 QC5 INSPECT WORK TO CURRENT STEP 6.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING 1 7.0 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock 06/08/18 Location: S 8.0 DC DOCUMENT CONTROL Jo-08/18 Comment: DOCUMENT CONTROL Inspection Level 21 Job Completion

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W/o: WORK ORDER CHANGES										
DATE	STEP	PROCEDURE	Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector			
				*						
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NOD.		WORK C	RDER NON-CONF	DRMANCE	= (NCI	R/				

	WORK ORDER NON-CONFORMANCE (NCR)													
	Description of NC		Corrective Action Section B	Varification	Approval	A								
STEP	Section A	Initial Design Mgr	Action Description Design Mgr	Sign & Date	Section C	Design Mgr	Approval QC Inspector							
		1												
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	STEP	STEP Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Description of NC Corrective Action Section B Verification Section A Action Description Sign & Section C	STEP Description of NC Section A Initial Action Description Sign & Section C Design Mgr							

Part No:	PAR #:	Fault Category:	NCR:	Yes	No	DQA:	Date:
NOTE: Date & initial all entries	= ¥			QA: N	N/C C	osed:	Date:





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DESIG	DRAWN BY	DART AEROS	SPACE LTD HTARIO, CANADA
CHECK	APPROVED APPROVED	DRAWING NO. D2003	REV. B SHEET 1 OF 2
99.0	6.08	TITLE 206 CABIN HEATER TU	SCALE JBE ASSEMBLIES NTS
Α	90.04.09	NEW ISSUE	
В	99.06.08	UPDATE PER TEMPLAT	TES; ADD P/N'S;

RELEASED AMOGOR KE

P/N	TEMPLATE	HEATSLEEVE LENGTH [†]	CUT LENGTH OF TUBE ²	MS20819-8J SLEEVE	AN818-8J NUT	MS20819-8D SLEEVE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT	DESC.	MATERIAL 44647	VENDOR OR
D2003-001	T2003-001	5.2	6.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-003	7.3	8.12					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005	T2003-005	9.8	10.62					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-009	T2003-009	12.38	12.44					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	33.31	32.38	1				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	12.7	13.54			1		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-015	T2003-015	17.2	18.00					2	2	TUBE ASS'Y	8061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-019	T2003-019	9.8	10.62		1111	2	2	9		TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	N/A	2.25			2	2		4	TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-025	T2003-025	9.8	10,60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	7.25	7.38			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-031	T2003-031	14.6	15.38	. 2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	29.75	29,62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
02003-035	T2003-035	24.7	27.00	2	2				·	TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-037	T2003-037	124.811	(23.38	1	2		•			TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039	T2003,039	34.0	34.00	2	Z					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
02003-041	T2003-041	6.0	5.88	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2008-043	11.7	10.75	2	2	11				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T200/8-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-047	T2093-047	5.56	5.56	2	2		11.	1		TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2			111		TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25					1	1	JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13.25	13.13	1.			- 2	2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	12.38	12.00					2	2.	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
22003-105	T2003-105	10.75	10.60			1		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
02003-107	T2003-107	12,75	12.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
02003-109	T2003-109	8.25	8:125			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
02003-111	T2003-111	4.75	4.625			1	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
02003-116	T2003-116	4.0				\perp				HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
02003-120	T2003-120	4.0								HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
02003-14	T2003-14	4.0				4		<u> </u>		HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
02003-16	T2003-16	4.0	- 200							HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
2003-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-207	T2003-207	3.75	3.75					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/8
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WITHOUT NOTICE

NO. 27296





			William R. Commission		
	DESIGN	DRAWN BY		AEROSPAI	
	CHECKED	APAROVED	DRAWING NO.		REV. B
	46	1	D2003		SHEET 2 OF 2
	DATE		TITLE		SCALE
-	99.06.08		206 CABIN H	TEATER TUBE	ASSEMBLIES NTS



Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0.049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

